

**Table 29 (page 1 of 2). Age-adjusted death rates, according to race, Hispanic origin, geographic division, and State: United States, average annual 1979–81, 1989–91, and 1997–99**

[Data are based on the National Vital Statistics System]

Geographic division and State	All persons			White	Black	American Indian or Alaska Native	Asian or Pacific Islander	Hispanic	White, non-Hispanic
	1979–81	1989–91	1997–99	1997–99	1997–99	1997–99	1997–99	1997–99	1997–99
Deaths per 100,000 resident population <sup>1</sup>									
United States . . . . .	1,022.8	942.2	879.8	858.4	1,141.9	710.8	518.9	601.2	866.3
New England . . . . .	979.9	882.4	826.6	824.0	975.0	*	428.4	474.3	821.5
Maine . . . . .	1,002.9	918.7	897.2	897.9	895.1	*	505.9	*	886.4
New Hampshire . . . . .	982.3	891.7	849.7	853.6	514.5	*	358.1	272.8	835.9
Vermont . . . . .	990.2	908.6	862.8	864.7	*	*	*	*	866.9
Massachusetts . . . . .	982.6	884.8	819.4	818.6	964.5	*	478.2	468.4	819.8
Rhode Island . . . . .	990.8	889.6	828.3	821.6	1,155.9	*	432.8	367.2	817.8
Connecticut . . . . .	961.5	857.5	802.9	791.9	987.0	*	318.3	531.6	788.7
Middle Atlantic . . . . .	1,059.1	967.8	865.9	852.2	1,018.1	*	416.8	539.5	853.7
New York . . . . .	1,051.8	973.7	839.9	834.3	917.1	*	460.7	567.0	827.1
New Jersey . . . . .	1,047.5	956.0	855.0	837.8	1,084.7	*	305.5	425.0	858.0
Pennsylvania . . . . .	1,076.4	963.4	906.8	882.2	1,212.8	*	431.4	690.3	881.5
East North Central . . . . .	1,048.0	957.9	901.3	872.9	1,189.7	*	402.9	473.2	873.4
Ohio . . . . .	1,070.6	967.4	930.0	909.3	1,160.2	*	355.7	544.3	903.4
Indiana . . . . .	1,048.3	962.0	932.9	914.3	1,232.3	*	383.8	452.3	918.9
Illinois . . . . .	1,063.7	973.8	889.5	847.7	1,242.2	*	387.4	449.4	855.3
Michigan . . . . .	1,050.2	966.0	899.5	865.0	1,146.3	*	440.2	573.5	859.0
Wisconsin . . . . .	956.4	879.1	833.0	819.1	1,161.7	*	571.5	332.7	822.5
West North Central . . . . .	951.6	876.6	850.9	833.2	1,212.9	*	545.4	563.1	830.7
Minnesota . . . . .	892.9	825.2	783.5	774.6	1,057.7	1,196.9	619.4	572.3	770.6
Iowa . . . . .	919.9	848.2	812.6	809.0	1,105.8	*	616.1	532.4	810.0
Missouri . . . . .	1,033.7	952.4	946.4	917.9	1,258.5	*	531.1	729.2	918.4
North Dakota . . . . .	922.4	818.4	796.6	780.5	*	1,637.4	*	*	757.2
South Dakota . . . . .	941.9	846.4	817.0	777.9	*	1,770.0	*	*	779.5
Nebraska . . . . .	930.6	867.9	832.6	819.7	1,234.4	1,570.1	364.4	450.3	819.6
Kansas . . . . .	940.1	867.2	848.0	835.9	1,147.8	*	467.9	522.8	829.2
South Atlantic . . . . .	1,033.1	951.3	898.8	849.3	1,176.2	*	388.7	593.5	859.9
Delaware . . . . .	1,069.7	1,001.9	920.1	889.6	1,134.2	*	309.7	606.0	890.8
Maryland . . . . .	1,063.3	985.2	912.8	847.5	1,174.1	*	411.6	#	862.4
District of Columbia . . . . .	1,243.1	1,255.3	1,093.0	688.0	1,334.3	*	453.2	#	734.7
Virginia . . . . .	1,054.0	963.1	908.5	868.1	1,159.9	*	424.7	369.7	872.7
West Virginia . . . . .	1,100.3	1,031.5	1,013.5	1,012.9	1,161.2	*	*	315.5	1,015.2
North Carolina . . . . .	1,050.4	986.0	938.9	883.4	1,192.2	997.0	403.9	281.1	885.4
South Carolina . . . . .	1,104.6	1,030.0	977.1	908.2	1,204.0	*	443.7	313.0	910.8
Georgia . . . . .	1,094.3	1,037.4	982.1	932.3	1,175.0	*	467.2	328.7	937.0
Florida . . . . .	960.8	870.9	826.4	796.6	1,169.8	*	309.7	649.4	812.2
East South Central . . . . .	1,079.3	1,031.6	1,014.4	974.6	1,238.1	*	448.6	453.6	975.8
Kentucky . . . . .	1,088.9	1,024.5	998.7	989.2	1,194.0	*	401.2	883.3	988.1
Tennessee . . . . .	1,045.5	1,011.8	1,006.0	967.4	1,294.1	*	486.0	421.9	969.4
Alabama . . . . .	1,091.2	1,037.9	1,010.7	962.5	1,203.9	*	401.5	297.4	964.8
Mississippi . . . . .	1,108.7	1,071.4	1,062.4	988.4	1,248.4	*	494.6	281.9	990.3
West South Central . . . . .	1,036.8	974.9	933.1	909.6	1,181.3	*	425.4	697.3	933.5
Arkansas . . . . .	1,017.0	996.3	1,002.3	970.5	1,273.9	*	575.5	302.8	975.0
Louisiana . . . . .	1,132.6	1,074.6	1,023.7	949.8	1,241.5	*	462.0	445.9	959.9
Oklahoma . . . . .	1,025.6	961.4	978.0	985.5	1,182.2	*	571.2	494.7	990.8
Texas . . . . .	1,014.9	947.6	891.4	875.9	1,129.4	*	407.1	711.2	904.1
Mountain . . . . .	961.8	878.2	838.9	834.2	948.1	985.7	532.5	732.8	835.6
Montana . . . . .	1,013.6	890.2	855.7	837.2	*	1,364.6	*	563.0	835.2
Idaho . . . . .	936.7	856.6	820.0	820.0	769.4	911.9	581.3	468.7	825.6
Wyoming . . . . .	1,016.1	897.4	887.6	881.4	918.8	1,424.6	*	711.2	884.2
Colorado . . . . .	941.1	856.1	804.3	805.0	946.0	542.3	455.1	700.9	808.7
New Mexico . . . . .	967.1	891.9	846.4	841.0	729.6	978.3	508.9	834.2	823.6
Arizona . . . . .	951.5	873.5	839.5	828.2	1,001.6	1,082.7	476.6	770.6	822.5
Utah . . . . .	924.9	823.2	784.8	785.7	951.9	686.2	639.3	601.9	788.4
Nevada . . . . .	1,077.4	1,017.4	960.9	973.2	996.7	593.2	621.9	422.4	1,009.5

See footnotes at end of table.

**Table 29 (page 2 of 2). Age-adjusted death rates, according to race, Hispanic origin, geographic division, and State: United States, average annual 1979–81, 1989–91, and 1997–99**

[Data are based on the National Vital Statistics System]

Geographic division and State	All persons			White	Black	American Indian or Alaska Native	Asian or Pacific Islander	Hispanic	White, non-Hispanic
	1979–81	1989–91	1997–99	1997–99	1997–99	1997–99	1997–99	1997–99	1997–99
Deaths per 100,000 resident population <sup>1</sup>									
Pacific . . . . .	966.5	900.1	801.8	812.7	1045.1	*	579.4	562.3	838.3
Washington . . . . .	947.7	869.4	813.6	816.2	987.0	859.6	543.2	442.2	820.5
Oregon . . . . .	953.9	893.0	853.8	855.5	1037.8	*	559.4	424.8	860.7
California . . . . .	975.5	911.0	798.0	809.4	1056.1	*	543.5	566.7	843.8
Alaska . . . . .	1,087.4	944.6	826.8	776.4	695.2	1243.4	512.8	449.4	782.6
Hawaii . . . . .	801.2	752.2	687.5	643.1	394.8	*	713.4	631.2	645.4

\* Data for States with population under 10,000 in the middle year of a 3-year period or fewer than 50 deaths for the 3-year period are considered unreliable and are not shown. Data for American Indian or Alaska Native in States with more than 10 percent misclassification of American Indian or Alaska Native deaths on death certificates or without information on misclassification are also not shown. (Support Services International, Inc. Methodology for adjusting IHS mortality data for miscoding race-ethnicity of American Indians and Alaska Natives on State death certificates. Report submitted to Indian Health Service. 1996.) Division death rates for American Indian or Alaska Native are not shown when any State within the division does not meet reliability criteria.

# Estimates of Hispanic death rates in Maryland (116.2 deaths per 1,000 population) and the District of Columbia (DC) (121.3) are substantially lower than for other States and are likely to be underestimates of actual death rates, possibly due to misreporting of Hispanic origin on some death certificates and/or inaccurate Hispanic population estimates for Maryland and DC.

<sup>1</sup>Average annual death rate. Denominators are population estimates for the middle year of each 3-year period, multiplied by 3.

NOTES: Age-adjusted rates are calculated using the year 2000 standard population starting with Health, United States, 2001. See Appendix II, Age adjustment. The race groups, white, black, American Indian or Alaska Native, and Asian or Pacific Islander, include persons of Hispanic and non-Hispanic origin. Conversely, persons of Hispanic origin may be of any race. Bias in death rates results from inconsistent race identification between the death certificate (source of data for numerator of death rates) and data from the Census Bureau (denominator); and from undercounts of some population groups in the census. The net effects of misclassification and undercoverage result in death rates estimated to be overstated by 1 percent for the white population and 5 percent for the black population; and death rates estimated to be understated by 21 percent for American Indians, 11 percent for Asians, and 2 percent for Hispanics (Rosenberg HM, Maurer JD, Sorlie PD, Johnson NJ, et al. Quality of death rates by race and Hispanic origin: A summary of current research, 1999. National Center for Health Statistics. Vital Health Stat 2(128). 1999).

SOURCES: Centers for Disease Control and Prevention, National Center for Health Statistics. Rates computed by the Division of Health and Utilization Analysis from mortality data compiled by the Division of Vital Statistics and from State population estimates prepared by the U.S. Bureau of the Census: 1980 from April 1, 1980 MARS Census File; 1990 from April 1, 1990 MARS Census File; 1998 from vintage 1998 postcensal series.